--<u>What Is Claimed Is</u>:

10. (New) A simulation method for a data record which describes three-dimensional processing by a CNC-controlled processing machine comprising

determining an initial data record comprising idealized processing instructions for the processing machine;

determining a control data record for controlling the processing machine from the initial data record using an arithmetic unit; and

determining at least one two-dimensional projection from the group consisting of the initial data record and the control data record and causing the at least one two-dimensional projection to be displayed.

11. (New) The simulation method as claimed in claim 10, wherein at least one intermediate data record is determined from the initial data record, and the control data record is determined from the intermediate data record, and further wherein at least one two-dimensional projection it is determined from the intermediate data record and caused to be displayed.

12. (New) The simulation method as claimed in claim 11, wherein the initial data record is a part program comprising at least one assigned traversing speed, traversing acceleration and track curvature, which are used to determine movements to be coordinated with one another in two stages comprising individual traversing options of the processing tool forming the control data record and the intermediate data record

13. (New) The simulation method as claimed in claim 12, wherein the part program can be transformed into a polynomial series having at least one assigned traversing speed, traversing acceleration and track curvature which are used to determine movements to be coordinated with one another of individual traversing options of the processing tool, and wherein the movements to be coordinated with one another form the control data record, and wherein the intermediate data record corresponds to the polynomial series.